Zeid-01

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	)	
	)	
Robert M. Zeidman	)	Examiner: Ben C. Wang
	)	
Serial No.: 10/688,573	)	Art Unit: 2196
	)	
Filed: October 20, 2003	)	
	)	
For: Software Tool for Synthesizing a	)	
Real-Time Operating System	)	
	)	

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Transmittal for an Amendment and Response to Office Action

Dear Sir:

In response to the Office Action mailed November 21, 2006, please find enclosed:

(1) An Amendment and Response to Office Action;

(2) Fee Transmittal, in duplicate, and

(3) Check # 176 in the amount of $25.00 for the required small entity fees, and

-1-

Please associate this patent application with Customer No. **48809**.

Respectfully submitted,

Date: January 26, 2007

Jim H. Salter
Registration Number: 35,668

Customer No. **48809**
105 Thoreau Lane
Folsom, CA 95630
408-406-4855

FIRST CLASS MAIL CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450

on   January 26, 2007   .
                Date of Deposit

Jim H. Salter
            Name of Person Mailing Correspondence

_____   1/26/07
            Signature   Date

-2-

FEE TRANSMITTAL FOR FY 2005

(FY 2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.)

TOTAL AMOUNT OF PAYMENT ($) __25.00__

Complete if Known:

Application No. 10/688,573

Filing Date _____ October 20, 2003 _____

First Named Inventor _Robert M. Zeidman_____

Examiner Name _____ Ben C. Wang _____

Art Unit _____ 2196 _____

Attorney Docket No. _Zeid-01_____

METHOD OF PAYMENT (check all that apply)

__X__ Check _____ Credit Card _____ Money Order _____ Other _____ None

_____ Deposit Account

　　　　Deposit Account Number : _____

____ The Director is Authorized to do the following with respect to the above-identified Deposit Account:

　　__ Charge fee(s) indicated below.

　　__ Credit any overpayments.

　　__ Charge any additional fees during the pendency of this application.

　　__ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

____ Charge fee(s) indicated below except for the filing fee

FEE CALCULATION

1A.　BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description		Fee Paid
1011	300	2011	150	Utility application filing fee		_____
1111	500	2111	250	Utility search fee	1,000/500*	_____
1311	200	2311	100	Utility examination fee		_____
1012	200	2012	100	Design application filing fee		_____
1112	100	2112	50	Design search fee	430/215*	_____
1312	130	2312	65	Design examination fee		_____
1013	200	2013	100	Plant filing fee		_____
1113	300	2113	150	Plant search fee	660/330*	_____
1313	160	2313	80	Plant examination fee		_____
1004	300	2004	150	Reissue filing fee		_____
1114	500	2114	250	Reissue search fee	1,400/700*	_____
1314	600	2314	300	Reissue examination fee		_____
1005	200	2005	100	Provisional application filing fee		_____

SUBTOTAL (1) $____0____

* List the filing, search, and examination fees separately, but pay concurrently.

1B. APPLICATION SIZE FEE

			Extra Sheets		Fee from below	Fee paid
Total Sheets	_____	− 100 =	_____ **/50** =	_____ * X _____		___0___
			*(round up to integer)			

Large Entity		Small Entity		
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description
1081	250	2081	125	Utility application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
1082	250	2082	125	Design application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
1083	250	2083	125	Plant application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
1084	250	2084	125	Reissue application fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)

SUBTOTAL (2) $ ___0___

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims	21	− 20** =	1	X	25	= 25
Independent Claims	3	− 3** =	0	X	_____	= 0
Multiple Dependent					_____	= 0

**Or number previously paid, if greater; For Reissues, see below.

Large Entity		Small Entity		
		Fee	Fee	Fee Fee
Code	($)	Code	($)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	**Reissue independent claims over original patent
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (3) $ ___25.00___

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity			
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	_____
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	_____
1053	130	1053	130	Non-English specification	_____
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	_____
1813	8,800	1813	8,800	Request for inter parties reexamination	_____
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	_____
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	_____
1251	120	2251	60	Extension for reply within first month	_____
1252	450	2252	225	Extension for reply within second month	_____
1253	1,020	2253	510	Extension for reply within third month	_____
1254	1,590	2254	795	Extension for reply within fourth month	_____
1255	2,160	2255	1,080	Extension for reply within fifth month	_____
1401	500	2401	250	Notice of Appeal	_____
1402	500	2402	250	Filing a brief in support of an appeal	_____
1403	1,000	2403	500	Request for oral hearing	_____
1451	1,510	1451	1,510	Petition to institute a public use proceeding	_____
1452	500	2452	250	Petition to revive – unavoidable	_____
1453	1,500	2453	750	Petition to revive - unintentional	_____
1501	1,400	2501	700	Utility issue fee (or reissue)	_____
1502	800	2502	400	Design issue fee	_____
1503	1100	2503	550	Plant issue fee	_____
1464	130	1460	130	Petitions to the Commissioner (CFR 1.17(h) Group III)	_____
1463	200	1460	200	Petitions to the Commissioner (CFR 1.17(g) Group II)	_____
1462	400	1460	400	Petitions to the Commissioner (CFR 1.17(f) Group I)	_____
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	_____
1806	180	1806	180	Submission of Information Disclosure Stmt	_____
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	_____
1809	790	2809	395	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
1814	130	2814	65	Statutory Disclaimer	_____
1810	790	2810	395	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
1801	790	2801	395	Request for Continued Examination (RCE)	_____
1802	900	1802	900	Request for expedited examination of a design application	_____
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	_____
1505	300	1505	300	Publication fee for republication	_____
1803	130	1803	130	Request for voluntary publication or republication	_____
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
1454	1,370	1454	1,370	Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) _____ _____

Other fee (specify) _____ _____

SUBTOTAL (4) $_____

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: _____James H. Salter_____

Signature: _____   Date: _1/26/07_____

Reg. Number: _35,668_____   Telephone Number: _(408) 406-4855_____

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111
Serial Number: 10/688,573
Filing Date: October 20, 2003
Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM

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Dkt: Zeid-01

<u>S/N 10/688,573</u>   **PATENT**

<u>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</u>

Applicant: Robert M. Zeidman   Examiner: Ben C. Wang

Serial No.:   10/688,573   Group Art Unit: 2196

Filed: October 20, 2003   Docket No.: Zeid-01

Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING
                SYSTEM

<u>AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111</u>

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

This responds to the Office Action mailed on <u>November 21, 2006</u>. Please amend the above-identified patent application as follows.

<u>IN THE CLAIMS</u>

Please amend the claims as follows:

1) (Currently Amended) A method for developing a real-time operating system, comprising:
  a) specifying a set of n tasks, task (1) through task(n), to be scheduled for execution, <u>at least one of the tasks of said set of n tasks being selectively configurable as a preemptive or a non-preemptive task;</u>
  b) specifying ~~an~~ <u>a scheduling</u> algorithm for scheduling the execution of said <u>set of n</u> tasks; and
  c) synthesizing source code <u>with embedded commands</u> to implement a task scheduler that uses said scheduling algorithm <u>and said embedded commands</u> for controlling execution of said <u>set of</u> n tasks.

2) (Currently Amended) The method of claim 1) further <u>including</u> specifying t init-tasks that are executed only once upon initial execution of said task scheduler, t being less than or equal to n.

3) (Currently Amended) The method of claim 1) further <u>including</u> specifying f f-loop tasks, each having an associated integer value l(i) for i ranging from 1 to f and f being less than or equal to n, said task scheduler including a continuously executing loop such that each f-loop task executes exactly once every l(i) times that the loop is executed.